BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE ELECTRICAL DIVISION

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule B"

Name of the work :- Replacing burntout and deteriorated UG cables by AB Cable From Bellahalli to Reva College in ward no 05.

Sl. No	Qty	Description Of Work	Unit	Quoted Rates	
				In figures	In words
1	5	Fabricating, supplying and erecting swaged **tubular pole** of height ...Mtr having three sections, and providing two coats of red oxide paint and finished with two coats of enamelled paint of approved quality and colour and M.S. base plate of suitable size welded at the bottom of the pole(as per IS) and 40mm dia GI / flexible PVC pipe of 1 mtr length fitted to the heavy gauge polycarbonate control box including 5way connector of size 167x125x82mm for 7.5M pole/200x160x98mm for remaining length of pole with front opening cover, with locking arrangements and suitable capacity MCB / DP switch, The pole shall be erected in cement concrete work (1:2:4) including excavation and refilling of planting depth of the pole to the ground level and the coping CC shall be up to 0.6M above ground level as per IS 2713 - 7.Erection of heavy duty pole on Footpath / median 9Mt (5Mt Hb,165.1mm dia 4.85mm thick x2M Hm, 139.7mm dia 4.50mm thick x 2M Ht,114.3mm dia 3.65mm thick) as per IS 410 SP 32	Nos	8434.80	Rupees Eight Thousand Four Hundred Thirty Four And Paise Eighty Only
2	5	Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe, with 2" dia 1.5m long M. S. bracket and are welded with suitable angle, using 6mm thick M. S. sheet, grip bolts & nuts, as required, suitable for 9 to 12 Mtrs. M. S. tubular pole, with necessary two coats of painting, with all other accessories.Single bracket 1.5 Mtr. Length		766.80	Rupees Seven Hundred Sixty Six And Paise Eighty Only
3	5	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Each	111.82	Rupees One Hundred Eleven And Paise Eighty Two Only
4	500	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 5) 3.5 core 25 sqmm	Mtr	115.02	Rupees One Hundred Fifteen And Paise Two Only
5	500	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. 7) 25 sqmm to 75 sqmm	Rmt	22.36	Rupees Twenty Two And Paise Thirty Six Only
6	400	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) 2) In soil (ordinary)	Mtrs	48.56	Rupees Forty Eight And Paise Fifty Six Only
7	30	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 2) 50x50x6mm	Per Mtr	210.87	Rupees Two Hundred Ten And Paise Eighty Seven Only
8	4	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE, 1) 100Amps 25kA.	Each	2894.67	Rupees Two Thousand Eight Hundred Ninety Four And Paise Sixty Seven Only
9	15	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 4) 100Amps	Per Mtr	223.01	Rupees Two Hundred Twenty Three And Paise One Only

10	140000	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. 1) 14SWG	Mtr	0.26	Rupees And Paise Twenty Six Only
11	40000	Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F. screws.	Sqcm	0.15	Rupees And Paise Fifteen Only
12	4	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia	No	1916.81	Rupees One Thousand Nine Hundred Sixteen And Paise Eighty One Only
13	25	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.25x3mm GI strip	Mtrs	47.92	Rupees Forty Seven And Paise Ninety Two Only
14	15	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm	Mtrs	214.06	Rupees Two Hundred Fourteen And Paise Six Only
15	4	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.25Sqmm	Nos	223.65	Rupees Two Hundred Twenty Three And Paise Sixty Five Only
16	40	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.10. sqmm	Mtrs	73.48	Rupees Seventy Three And Paise Forty Eight Only
17	400	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open or concealed system of wiring. 4 sqmm	Mtrs	5.75	Rupees Five And Paise Seventy Five Only
18	10	Hiring of 35 tons capacity Crane for releasing and refixing of High Mast	Hrs	350.17	Rupees Three Hundred Fifty And Paise Seventeen Only
19	15	Supplying & Fixing of 250W/400W High Pressure Sodium Vapour tubular Lamp with Xenon filled gas with luminous efficiency of greater than 140 lumen/watt or initial lumens of greater than 55000 lumens & avg rated life greater than 26000 hrs. & minimum starting temperature of (-) 40 deg C & Hot restrike time <60 Sec with CCT 2000K . Operating voltage range from 180V to 265V, 50Hz AC power Supply	No	1157.23	Rupees One Thousand One Hundred Fifty Seven And Paise Twenty Three Only
20	15	Supplying & Fixing of High Intensity Discharge Electro Magnetic ballast suitable for Mercury Vapour Lamp with Class H insulated copper wire. Operating voltage range from 180V to 265V, 50Hz AC power Supply. Ballast/Choke for Mercury Vapour Lamp - 250 Watts	No	1351.48	Rupees One Thousand Three Hundred Fifty One And Paise Forty Eight Only
21	15	Supplying & Fixing of Ignitor Suitable for 70 to 400 Watts SV/MH fittings. Operating voltage range from 180V to 265V, 50Hz AC power Supply	No	367.42	Rupees Three Hundred Sixty Seven And Paise Forty Two Only

For PRASHANTH ELECTRICALS

PROPRIETOR

(ವಿದ್ಯುತ್) ಮಲಿಹಂಡ

22	4	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure.7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	Nos	32908.50	Rupees Thirty Two Thousand Nine Hundred Eight And Paise Fifty Only
23	2500	Supplying and stringing of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A. 5) 3 X 25 + 1 X 25 + 1 X 16 SQ.MM	Per Mtr	113.10	Rupees One Hundred Thirteen And Paise Ten Only
24	2500	Stringing of 1.1kV grade aerial bunched 3 core cable of XLPE insulation of size (3x95) (for Phase conductor) + (1x70) (insulated messenger neutral) + (1x25) for street light control.	Mtrs	14.35	Rupees Fourteen And Paise Thirty Five Only
25	80	LT 2 Pin X Arms - MS (Dwg No. BESCOM/GM/QS&S/32 Dtd 24.11.2018	Nos	55.59	Rupees Fifty Five And Paise Fifty Nine Only
26	80	RCC Pole clamp - MS (Dwg No. BESCOM/GM/QS&S/30 Dtd 24.11.2018)	Nos	33.87	Rupees Thirty Three And Paise Eighty Seven Only
27	160	Supplaying of Piercing Connector Suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections	Nos	105.44	Rupees One Hundred Five And Paise Forty Four Only
28	10	Supplaying of Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos	86.26	Rupees Eighty Six And Paise Twenty Six Only
29	160	Installation of Insulation piercing connector for main to street light Main:16-95sqmm,Tap :1.5-10sqmm(EP95)	Nos	37.70	Rupees Thirty Seven And Paise Seventy Only
30	10	Fixing of Universal/ Dead end Hook	Nos	81.15	Rupees Eighty One And Paise Fifteen Only
31	80	Supplay of Suspension Clamp Assembly 16 to 70 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook) 284845 No	Nos	125.24	Rupees One Hundred Twenty Five And Paise Twenty Four Only
32	80	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger		81.15	Rupees Eighty One And Paise Fifteen Only
33	70	Laying of UG Cables by trenchless technology by adopting horizontal boring & Drawing of cable including preparation at site With HDPE Pipe i) Normal soil 5/6" bore size		541.87	Rupees Five Hundred Forty One And Paise Eighty Seven Only

For PRASHANTH ELECTRICALS

Proprietor

EXECUTIVE ENGINEER (ELEC)
BBMP, Yelahanka Zone